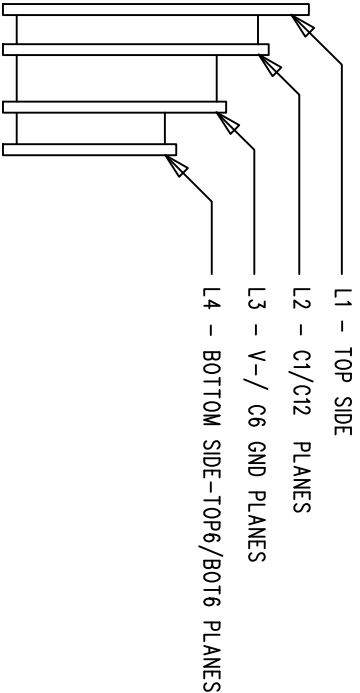
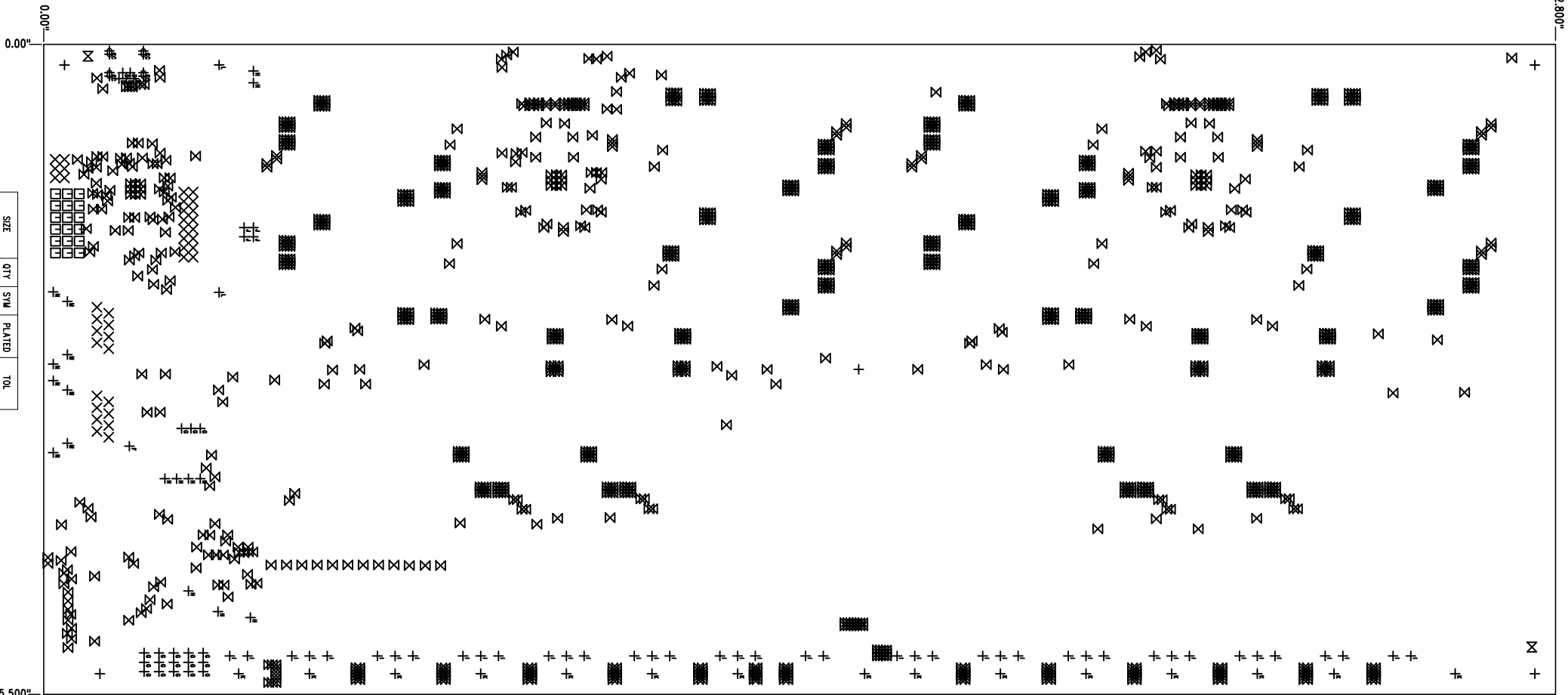
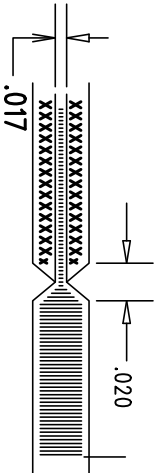


| REVISION HISTORY |     |             |                |
|------------------|-----|-------------|----------------|
| ECO#             | REV | DESCRIPTION | DATE           |
| -                | 4   | PRODUCTION  | JIM D. 3-11-14 |



NOTES: UNLESS OTHERWISE SPECIFIED

- FAB PER IPC-A-600.
- MATERIAL: -LEAD FREE ASSEMBLY COMPLIANT, ISOLA FR-370HR OR EQUIVALENT.
  - FINISHED THICKNESS TO BE 0.062" +/- .005"
  - TOTAL OF 4 LAYERS WITH 2 OZ. CU ON THE OUTER LAYERS AND 2 OZ. CU ON THE INNER LAYERS.
  - FLAMMABILITY RATING: 94 V-0 MINIMUM.
- SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
0.00 ARE PRIMARY DATUMS.
- DRILLING: -DRILL HOLES PER SCHEDULE. PLATE THROUGH HOLES WITH COPPER, 0.001" THICK MIN.
  - ALL HOLE SIZES ARE SPECIFIED AFTER PLATING.
  - HOLE LOCATION TOLERANCES ARE +/-0.003" IN RELATION TO CENTER
- FINISH: -SMOBC USING LPI BOTH SIDES, COLOR GREEN, NO TENT.
  - GOLD IMMERSION BOTH SIDES.
  - (LEAD FREE SOLDER CAN BE USED FOR PROTOTYPE)
  - FOR SILKSCREEN: BOTH SIDES USE WHITE NON-CONDUCTIVE INK.
- DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.  
PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
- PCBS ARE TO BE ROHS COMPLIANT.
- DO NOT ALTER SOLDER MASK MAINTAIN .0018" OVERSIZE ON SMT PADS. A .005" WEBBING IS REQUIRED BETWEEN SMD PADS.
- DESIGN HAS SOLDER MASK DEFINED PADS ON U8.
- U8 SOLDER MASK IS 25 MIL AND PAD SIZE IS 29 MIL.  
DO NOT CHANGE ANY SIZE ON THIS COMPONENT.
- SCORING FOR PANELIZED PCB: "PRODUCTION FAB ONLY"



| SIZE              | QTY  | S/W | PLATED | TOL       |
|-------------------|------|-----|--------|-----------|
| 0.19              | 5    | +   | YES    | +/- .003" |
| 0.035             | 38   | X   | YES    | +/- .003" |
| 0.04134           | 18   | □   | YES    | +/- .003" |
| 0.012             | 1136 | X   | YES    | +/- .003" |
| 0.07              | 2    | ⊠   | NO     | +/- .003" |
| 0.0374 x 0.066934 | 4    | ⊠   | YES    | +/- .003" |
| 0.02756           | 4    | ⊠   | YES    | +/- .003" |
| 0.02559           | 1    | ⊠   | YES    | +/- .003" |
| 0.063             | 1    | ⊠   | YES    | +/- .003" |
| 0.031             | 18   | ⊠   | YES    | +/- .003" |
| 0.037             | 9    | ⊠   | YES    | +/- .003" |
| 0.05512           | 41   | ⊠   | YES    | +/- .003" |
| 0.03              | 4    | ⊠   | YES    | +/- .003" |
| 0.094             | 15   | ⊠   | YES    | +/- .003" |
| 0.1811            | 2    | ⊠   | NO     | +/- .003" |
| 0.13189           | 4    | ⊠   | NO     | +/- .003" |
| 0.06              | 4    | ⊠   | YES    | +/- .003" |

| UNLESS OTHERWISE SPECIFIED   |  | APPROVALS    |                         | TITLE: FABRICATION DRAWING:<br>HIGH EFFICIENCY BIDIRECTIONAL<br>MULTICELL BATTERY BALANCER |  |
|--|--|--------------|-------------------------|--|--|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>0.1XX" = 10.001" LE 51<br>0.1XX" = 10.001" LE 51<br>INTERPRET DIM AND TOL<br>PER ASME Y14.5M-1994 |  | PCB DES. NC. | JIM D.                  | N/A  |  |
| THIRD ANGLE PROJECTION   |  | APP ENG.     | JIM D.                  | N/A  |  |
| DO NOT SCALE DRAWING   |  | SCALE: NONE  | FILENAME: DC2100A-4.PCB | SHT 1 of 1   |  |

